

# Recombinant Human CDYL Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CDYL-6602H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CDYL MS Standard C13 and N15-labeled recombinant protein (NP_736608) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | Chromodomain Y is a primate-specific Y-chromosomal gene family expressed exclusively in the testis and implicated in infertility. Although the Y-linked genes are testis-specific, this autosomal gene is ubiquitously expressed. The Y-linked genes arose by retrotransposition of an mRNA from this gene, followed by amplification of the retroposed gene. Proteins encoded by this gene superfamily possess a chromodomain, a motif implicated in chromatin binding and gene suppression, and a catalytic domain believed to be involved in histone acetylation. Multiple proteins are encoded by transcript variants of this gene. |
| <b>Molecular Mass</b>   | 34.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MDALTANGTTNIQTSVTGVTASKRKFIIDRRDQPFDKRLRFSVRQTESAYRYRDIV<br>RKQDGFTHILLSTKSENNSLNPEVMREVQSALSTAAADDSKLVLLSAVGSVFCCGL<br>DFIYFIRRLTDDRKRESTKMAEAI RN FVNTFIQFKPIIVAVNGPAIGLGASILPLCDVV<br>WANEKAWFQTPYTTFGQSPDGCSTVMFPKIMGGASANEMLLSGRKLTAQEACGKG<br>LVSQVFWPGTFTQEVMVRIKELASCNPVVLEESKALVRCNMKMELEQANERECEVL                                                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KKIWGSAQGTDSMLKYMQRKIDFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CDYL chromodomain Y like [ Homo sapiens (human) ]

**Official Symbol** CDYL

**Synonyms** CDYL; chromodomain protein, Y-like; chromodomain protein, Y chromosome like; chromodomain Y-like protein; CDY like; autosomal; CDYL1; DKFZP586C1622; testis specific chromodomain Y like protein; CDY-like, autosomal; testis-specific chromodomain Y-like protein; MGC131936; DKFZp586C1622;

**Gene ID** 9425

**mRNA Refseq** NM\_170752

**Protein Refseq** NP\_736608

**MIM** 603778

 Tel: 1-631-559-9269 1-516-512-3133

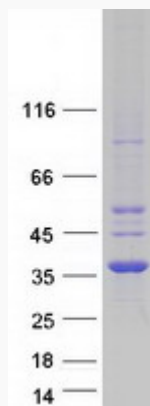
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UniProt ID

Q9Y232

SDS-PAGE

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